

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: **Olivier Charles Schuepbach** Docket No.: **TI-33782**
Serial No.: **TBD** Examiner: **TBD**
Filed: **Herewith** Art Unit: **TBD**
For: **RSSE Optimization Using Hardware Acceleration** Conf. No.: **TBD**

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner For Patents
Alexandria, VA 22313-1450

Dear Sir:

In response to the Search Report received from the European Patent Office (a copy of which is enclosed), Applicant wishes to bring to the attention of the U.S. Patents and Trademarks Office the information noted on the enclosed PTO-1449. Copies of the cited references are enclosed.

If required, charge the \$240 fee to the deposit account of Texas Instruments Incorporated, Account No. 20-0668.

Respectfully submitted,



Ronald O. Neerings
Attorney for Applicants
Reg. No. 34,227

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(972) 917-5299

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Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete If Known	
Sheet	1	of	2	Application Number	TBD
				Filing Date	Herewith
				First Named Inventor	Oliver Charles Schuepbach
				Group Art Unit	TBD
				Examiner Name	TBD
				Attorney Docket No.	TI-33782

U.S. PATENT DOCUMENTS					
Exam. Initials * .	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Doc.	Date of Pub. of Cited Doc. (mm-dd-yy)
		Number	Kind Code ² (if known)		
	AA				
	AB				
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	AE				
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	AG				
	AH				
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	AJ				
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FOREIGN PATENT DOCUMENTS					
Exam. Initials * .	Cite No. ¹	Foreign Patent Document		Name of Patentee or Applicant of Cited Doc.	Date of Pub. of Cited Doc. (mm- dd-yy)
		Office ³	Number ⁴		
	BA	EP 0 786 872 A2		Lucent Technologies Inc.	30/07/1997
	BB	EP 1 058 392 A1		Motorola, Inc.	06/12/2000
	BC	WO 01/03308 A1		Fraun-Hofer-Gesellschaft Zur Forderung Der Angewandten Forschung E.V.	11/01/2001
	BD	WO 01/60002 A1		Ericsson Inc.	17/01/2001
	BE	WO 01 78239 A2		Qualcomm Inc.	18/10/2001
	BF	WO 02/39689 A2		Telefonaktiebolaget LM Ericsson	16/05/2001
	BG				
	BH				
	BL				

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Unique citation designation number. ²See attached Kinds of U.S. Patent Documents. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

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Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete If Known	
Sheet	2	of	2	Application Number	<i>TBD</i>
				Filing Date	<i>Herewith</i>
				First Named Inventor	<i>Olivier Charles Schuepbach</i>
				Group Art Unit	<i>TBD</i>
				Examiner Name	<i>TBD</i>
				Attorney Docket No.	<i>TI-33782</i>

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Exam. Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	CA	"Error Probability of Reduced State Sequence Estimation for Trellis-Coded Modulation on Intersymbol Interference Channels", Wern Ho Sheen, et al., IEEE Global Telecommunications Conference, 2-5 December 1991, pp. 1159-1164, XP010042585, New York, US	
	CB	"Reduced-Complexity Viterbi Detector Architectures for Partial Response Signalling", Gerhard Fettweis, et al., IEEE Global Telecommunications Conference, 14-16 November 1995, pp. 559-563, XP000621547, New York, US	
	CC	"Digital Communications", J. G. Proakis, McGraw-Hill, 1995, pp. 249-254, 468-470, 621-627, 649-654, 698-702, 729-732, and 797-806, XP002202678, New York, US, ISBN: 0-07-113814-5	
	CD		
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Examiner Signature	Date Considered
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